

Curriculum Map Computing

Subject: Computing

Key Stage 3:		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Unit(s):	Introduction to ICT and network at TWS- folder setups, account details, using ICT responsibly.	Visual Programming using Scratch	Digital Literacy and Numeracy- word processing and spreadsheets	Computational Thinking, Binary and Introduction to Hardware	ICT in Business	Visual Programming using Kodu
	Key Assessment	User guide submitted for target audience Year 6 via Google classroom.	Creation of game suite throughout half term assessed by final submission of own game and accompanying user guide.	Spreadsheet test-on computer- 45 minutes- 30 marks	Assessed written submission- scenario based. Graded.	Submission of portfolio- 6 components. Out of 60 marks.	Complete game with user guide
	Key stage 2 development						
Year 8	Unit(s):	Visual Programming using Unity	Radio Advertising with Audacity Web Animation	ICT in Business	Databases - Students will complete a data management unit using Access. The topic is Holidays, storing the data for hotels. Students will learn about data types, find data, storing and structuring data, queries and reports.	Computer Storage and Fundamentals/Net works	Python Power: Introduction to Python programming language using 'Python Poetry' to introduce variables and lists.
	Key Assessment	Creation of game suite throughout half term.	Creation of advert and animation throughout half term.	Submission of portfolio- 6 components. Out of 6 marks.	Database test on computer	Assessed written submission. Graded.	Python assessment on computer

	SMSC / British Values						
Year 9	Unit(s):	Cyber Security and Forensics	Data representation - Number systems/ images/ units of measure	Living in a Digital World using Serif Webplus- Website design and creation The initial set up – adding pages Adding content – text, images, slideshow, buttons/navigation Testing – checking work in Internet Explorer Research Find and evaluate specific information and facts based on topics provided	Python Pickup: Re-introduction to Python programming and challenge based programming sessions/programming a quiz Skills acquired- Display text Input text and number (variables) Conversion – temperature Savings calculator If Statements – based on the computer clock Remainders For Loops and While Loops Conditions and branching	ICT in Business	GCSE Unit 1 - Fundamentals of Computer Science
	Key Assessment	Assessed written submission- scenario based. Graded.	Test on computer	Creation of website throughout half term	Python assessment on computer	Submission of portfolio- 6 components. Out of 6 marks.	Assessed written submission. Graded. Test on computer
	Careers links						

Curriculum Map

Subject: Computing							
Key Stage 4:		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10 COMPUTING	Unit(s):	Computer Systems- Components of a Computer System, Networks and Issues Computational Thinking, Algorithms and Programming: Writing/Search/Sort Algorithms	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs
	Key Assessment						
Year 11 COMPUTING	Unit(s):	Re-introduction to DFD's, Visual Programming, Testing and Evaluation A452 Controlled Assessment	Recap: Logic, Units, Binary Number, Hexadecimal Numbers, Characters. Python	Python Programming: Constants and Variables Strings Program Flow Boolean Operators File Handling Storing Data Arrays Sub Programs	A453 Python based controlled assessment	Integrated Development Environments, Defensive Design, Databases and Storing Images	Revision Recap Theory
	Key Assessment						

<p>End of course external assessment:</p> <p>Computing (Year 11: 1 x Controlled Assessments (20 hours = 0% but must be submitted, usually 15th May deadline) plus 2 x theory examination (Unit 1 and 2 = 50% each respectively).</p> <p>Computing (Year 10: 1 x Controlled Assessments (20 hours = 0% but must be submitted, usually 15th May deadline) plus 2 x theory examination (Unit 1 and 2 = 50% each respectively).</p>							

Curriculum Map

Subject: Cambridge Technical ICT							
Key Stage 5:		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12	Unit(s):	Unit 1- Fundamentals of IT	Unit 1- Fundamentals of IT	Unit 2- Global Information	Unit 2- Global Information	Unit 13 Social Media and Digital Marketing	Unit 13 Social Media and Digital Marketing
	Key Assessment	Mock Exam Unit 1 LO1-LO3	Mock Exam Unit 1 LO4-LO5 National Unit 1 Exam January 2021	Mock Exam Unit 2 LO1-LO3	Mock Exam Unit 2 LO4-LO5 National Unit 1 Exam June 2021	Unit 13 Marksheet (each piece assessed as goes along)	Unit 13 Marksheet (each piece assessed as goes along)

Year 13	Unit(s):	Unit 7- Data Analysis and Design	Unit 7- Data Analysis and Design	Unit 7- Data Analysis and Design	Unit 8- Project Management	Unit 8- Project Management	If needed... Unit 8- Project Management + Mop Up's/1:1 grade increase tuition.
	Key Assessment	Unit 7 Marksheet (each piece assessed as goes along)	Unit 7 Marksheet (each piece assessed as goes along)	Unit 7 Marksheet (each piece assessed as goes along)	Unit 8 Marksheet (each piece assessed as goes along)	Unit 8 Marksheet (each piece assessed as goes along)	Students booked in for small group or 1:1 work to increase moderated unit grades if needed.

End of course external assessment:

2 x external examinations- Unit 1: January 2021. Unit 2: June 2021

3 x controlled assessment Units: 2 x external moderator visits (bookable each year- usually October/November 2021 then May

2022 Moderator: Ian Ash- ianashMOD@hotmail.co.uk)fhfht